208-1701

Altocraft

18 GA.BRAD NAILER
With 12-PIECE STARTER KIT

Operator's Manual

SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty. Put it and the original sales receipt in a safe dry place for future reference.

For questions about this product, Please call 1-866-915-8626

IMPORTANT SAFETY INSTRUCTIONS

WARNING: *When using electrical and pneumatic equipment basic safety precautions should always be followed to reduce the risk of personal injury. Please familiarize yourself with the following information to prevent damage to your equipment and injury to the operator, property damage, or death.*

READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

We strongly recommend that this tool not be modified and /or used for any application other than that for which it was designed. If you have any questions relative to its application, do not use the tool until you have contacted us.

1. **SAFETY GLASSES** To prevent eye injuries, the tool operator and all persons in the work area must wear ANSI Z87.1 approved safety glasses with permanently attached, rigid side shields.
2. **EAR PROTECTION** Wear ear protection to prevent possible hearing loss.
3. **USE CLEAN, DRY, REGULATED, COMPRESSED AIR** at 70 to 110 PSI.
4. **DO NOT CONNECT TOOL** to pressure which potentially exceeds 200 PSI.
5. **AIR HOSE:** Only use hose that is rated for a minimum working pressure of 150 PSI or 150% of the maximum system pressure, whichever is greater.
6. **NEVER USE OXYGEN, CARBON DIOXIDE, COMBUSTIBLE GASES** or any other bottled gas as a power source for this tool. Explosion and serious personal injury could result.
7. **COUPLINGS**: Connect tool to air supply hose with a 1/4" NPT coupling that removes all pressure from the tool when the coupling is disconnnected.
8. **DISCONNECT TOOL FROM AIR SUPPLY** hose before doing any disassembly, maintenance, clearing a jammmed fastener, leaving the work area, moving the tool to another location, or handing the tool to another person.
9. **NEVER USE A TOOL** that is leaking air, has missing or damaged parts, or requires repair. Make sure all screws and caps are securely tightened.
10. **CHECK FOR DAMAGED PARTS.** Never use a tool if safety, trigger, or spring are inoperable, missing or damaged. Do not alter or remove safety, trigger, or springs. Make daily inspections for the free movement of trigger and safety mechanism.
11. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts and fasteners recommended by us.
12. **CONNECT TOOL TO AIR SUPPLY BEFORE** loading fasteners to prevent fasteners from firing during connection. The fastener driving mechanism may cycle when the tool is connected to the air supply.
13. **ALWAYS ASSUME THE TOOL CONTAINS FASTENERS.** Keep it pointed away from yourself and others at all times.
14. **DO NOT LOAD FASTENERS** with trigger or safety depressed. The tool may unintentionally fire a fastener.
15. **DO NOT DEPRESS THE TRIGGER** when not driving fasteners. Never carry tool with finger on trigger mechanism: tool may fire an unwanted fastener.
16. **DO NOT OVERREACH.** Keep proper footing and balance at all times. Do not reach over or across running tools.
17. **FIRE FASTENERS INTO WORK SURFACE ONLY** and never into materials too hard to penetrate.
18. **GRIP TOOL FIRMLY** to maintain control while allowing the tool to recoil away from the work surface as the fastener is driven. If the safety is allowed to recontact the work surface before the trigger is released, an unwanted fastener will be fired.
19. **DO NOT DRIVE FASTENERS** on top of other fasteners, or with the tool at too steep an angle: the fasteners can ricochet causing personal injury.
20. **DO NOT DRIVE FASTENERS** too close to the edge of the workpiece. The workpiece is likely to split, allowing the fasteners to fly free or ricochet causing personal injury.

IMPORTANT SAFETY INSTRUCTIONS

21. **STAY ALERT.** Keep hands and body away from the path of any potential fired fastener. Watch what you are doing & use common sense. Do not operate any tool when you are tired or under the influence of alcohol, drugs or any medication that causes drowsiness.
22. **PREVENT ELECTRIC SHOCK.** Prevent body contact with grounded surfaces: pipes, radiators, ranges, and refrigerator enclosures. Before driving fasteners into walls, floors, or wherever “live” electrical wires may be encountered, try to ascertain whether there is a danger of shock.
23. **KEEP WORK AREA CLEAR** of obstructions.
24. **ALL USERS** must follow the safety warnings and all other instructions in this manual. Keep it available for use by everyone assigned to use this tool.

SPECIFICATIONS

- Shoots industry standard 18 gauge brad nails
- Nail length:5/8"~2"
- Nail capacity : 100 pc
- Required pressure : 70-110 PSI
- Max.pressure : 120PSI
- Air inlet : 1/4" NPT
- Quick release nose piece
- Adjustable exhaust deflector

CONTENTS:

- Brad nailer
- 1/4"x 25' coil air hose
- Blow gun
- Teflon tape
- Air chuck
- Tappered nozzle
- Blow gun nozzle
- Safety nozzle
- 1/4" female quick-coupler
- (2)1/4" male plug
- 1/4" female connetor
- Oil bottle with oil
- (2) Inflation needle
- (2) Hex wrench

FUNCTIONAL DESCRIPTION

Figure 1 names the major components of the brad nailer.

A	Trigger
B	Fixed lever
C	Movable magazine
D	Fixed magazine
E	Driver guide
F	Body
G	Deflector

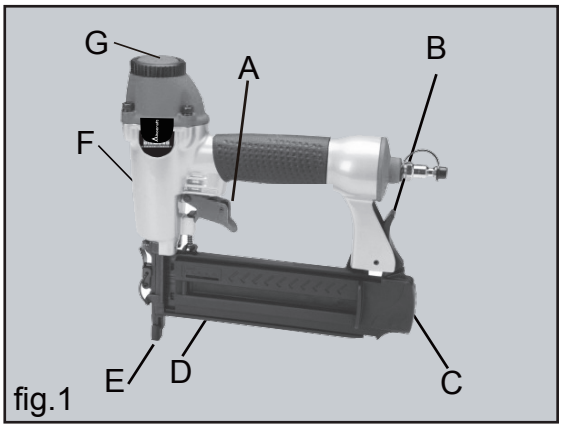
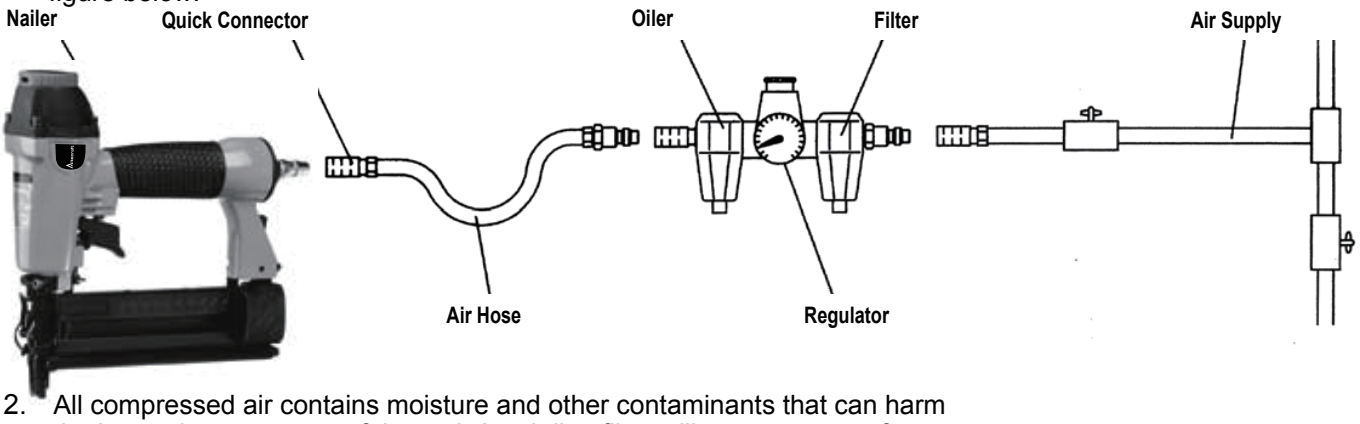


fig.1

SETUP & OPERATION

AIR SYSTEM

1. The brad nailer is designed to operate on clean, dry, compressed air, regulated at 70-110 PSI. The preferred system would include a filter, a pressure regulator, and an automatic oiler located as close to the tool as possible (within 15 feet (4.5m) is ideal). Do not use bottled air or gases. Please see figure below:



2. All compressed air contains moisture and other contaminants that can harm the internal components of the tool. An air line filter will remove most of these and significantly extend the life of the tool. Ensure the in-line oiler has sufficient oil. If an in-line oiler is not available, place 2 drops of oil into the tool's air inlet at the beginning of each workday. More than this will be expelled from the tool's exhaust during firing.
3. Air Fitting: The nailer should be equipped with a 1/4" NPT male plug for a 'quick connection'. To prevent accidental cycling even though disconnected, the tool must always be connected to the air supply in such a way that all air pressure in it is released when the coupling is disconnected.

CAUTION:

- *All air line components (including hoses, pipe, connectors, filters, & regulators, etc.) must be rated for a minimum working pressure of 150 PSI or 150% of the maximum system pressure, whichever is greater.*
- *Disconnect the tool from the air supply before performing maintenance, clearing a jammed fastener, leaving the work area, moving the tool to another location, or handing it to another person.*

CONNECTING THE TOOL

1. Turn the compressor on.
2. Set the regulator to proper pressure for the size and type of fasteners being used.
3. After reading and understanding this entire manual, connect tool to air supply.

CAUTION:

- *Keep the tool pointed away from yourself and others at all times.*
- *Do not load fasteners with air connected, safety or trigger depressed.*
- *Always wear approved safety glasses and hearing protection when preparing or operating this tool.*
- *Never use a tool that leaks air or needs repair.*

LOADING THE FASTENERS

1. Disconnect the tool from the air supply. Do not load or adjust the tool if it is connected to the air supply.
2. Depress the FIXED LEVER (B, fig.1) to release the MOVABLE MAGAZINE (C, fig.1) and pull the magazine out fully as shown.
3. Place a full stick of the desired type and size of fasteners on the FIXED MAGAZINE (D, fig.1). Up to 100 fasteners can be loaded in the magazine.

SETUP & OPERATION

4. Push the MOVABLE MAGAZINE (C, fig.1) forward until the FIXED LEVER (B, fig.1) clicks and locks it.
5. The tool is ready to operate.

OPERATING THE TOOL

1. The depth to which a brad is driven is determined by the supplied air pressure. Test fire a brad into a sample of the material you will be working on and check depth. If a change is desired, adjust the regulator to supply air at a higher or lower pressure. Test fire another fastener and check depth again. Adjust as necessary.

CAUTION:

- *Keep tool pointed in a safe direction at all times.*
- *Never attempt to drive fasteners into materials too hard to penetrate, at too steep an angle, or too near the edge of the workpiece. The fastener can ricochet causing personal injury.*
- *Disconnect tool from air supply before doing any disassembly, maintenance, clearing a jammmed fastener, leaving the work area, moving the tool to another location, or handing the tool to another person.*
- *Clean and inspect the tool daily. Carefully check for proper operation of trigger and safety mechanism. Do not use the tool unless both the trigger and the safety mechanism are functional, or if the tool is leaking air or needs any other repair.*

2. Make sure the air pressure is within the limits mentioned in SPECIFICATIONS.
3. Hold the BODY (F, fig.1) and press DRIVER GUIDE (E, fig.1) against the work surface, being sure the tool is perpendicular to the surface.
4. Gently squeeze the TRIGGER (A, fig.1) to drive the fastener.
5. Lift the tool off the work surface.

MAINTENANCE

DAILY MAINTENANCE AND INSPECTION

CAUTION: *Disconnect tool from air supply before cleaning and inspection. Correct all problems before putting the tool back in service.*

1. Wipe tool clean and inspect for wear or damage. Use non-flammable cleaning solutions to wipe exterior of tool only if necessary. Do not soak tool with cleaning solutions. Such solutions can damage internal parts.
2. Inspect trigger and safety mechanism to assure system is complete and functional: no loose or missing parts, no binding or sticking parts.
3. Keep all screws tight. Loose screws can cause personal injury or damage the tool.
4. If the tool is used without an in-line oiler, place 2 drops of air tool oil in the air inlet of the tool at the beginning of each workday and after about 1 hour of continuous use. Frequent but not excessive lubrication is required for best performance. Oil added through the airline connection will lubricate all internal parts. Use only air tool oil. Do not use oil with detergents or other additives. These can cause damage through accelerated wear to the seals in the tool.
5. Use a small amount of oil on all exterior moving parts and pivots.
6. Dirt and water in the air supply are major causes of pneumatic tool wear. See the section on SETUP & OPERATION: AIR SYSTEM for more information.
7. Keep tools clean for better and safer performance. Use non-flammable cleaning solutions sparingly and only if necessary. Do not soak parts in the solutions.

CAUTION: *Such solutions may damage O-rings and other parts.*

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Air leak at trigger area	O-ring in trigger valve damaged or cracked	Check and replace O-ring
	Trigger valve head damaged	Check and replace trigger valve head
	Trigger valve stem, seal, or O-ring damaged	Check and replace trigger valve stem
Air leak between body and front plate	Piston O-ring or bumper damaged	Check and replace O-ring or bumper
Air leak between body and cylinder cap	Screw loose	Tighten screws
	Damaged seal	Check and replace seal
Tool driving fasteners too deeply	Worn bumper	Replace bumper
	Air pressure too high	Adjust air pressure at regulator
Tool runs slowly or has power loss	Insufficient lubrication	Add oil as instructed
	Insufficient air supply	Check air supply
	Broken spring in cylinder cap	Replace spring
	Exhaust port in cylinder head is blocked	Replace damaged internal parts
Tool skips fasteners	Worn bumper or damaged spring	Replace bumper or pusher spring
	Dirt in front plate	Clean drive channel in front plate
	Inadequate airflow to tool	Check hose and compressor fittings
	Worn or dry O-ring on piston	Replace or lubricate O-ring
	Damaged O-ring on trigger valve	Replace O-ring
	Cylinder cap is leaking	Replace seal
Fasteners jam in tool or in magazine	Joint guide is worn	Replace joint guide
	Fasteners in tool are the wrong size or damaged	Use only recommended fasteners
	Magazine screws or front plate clamp are loose	Tighten all
	Blade in piston assembly is damaged	Replace piston assembly
Tool will not drive fasteners down tight	Worn blade in piston assembly	Replace piston assembly
	Lack of power	Adjust regulator to adequate pressure
	Slow cycling and loss of power	Check cylinder cap spring for broken coils, reduced length, or if exhaust port is blocked

STOP *using the tool immediately if any of the following problems occur. Serious personal injury could occur. Any repairs or replacements must be done by a qualified person or an authorized service centre only.*

CAUSE: *Disconnect the tool from air supply before performing any service procedure. When inserting new or re-installing O-rings, make sure they are clean and lubricated with an O-ring lubricant.*

WARNING: *Repairs should be made by an authorized repair centre. Opening this tool could invalidate your warranty.*

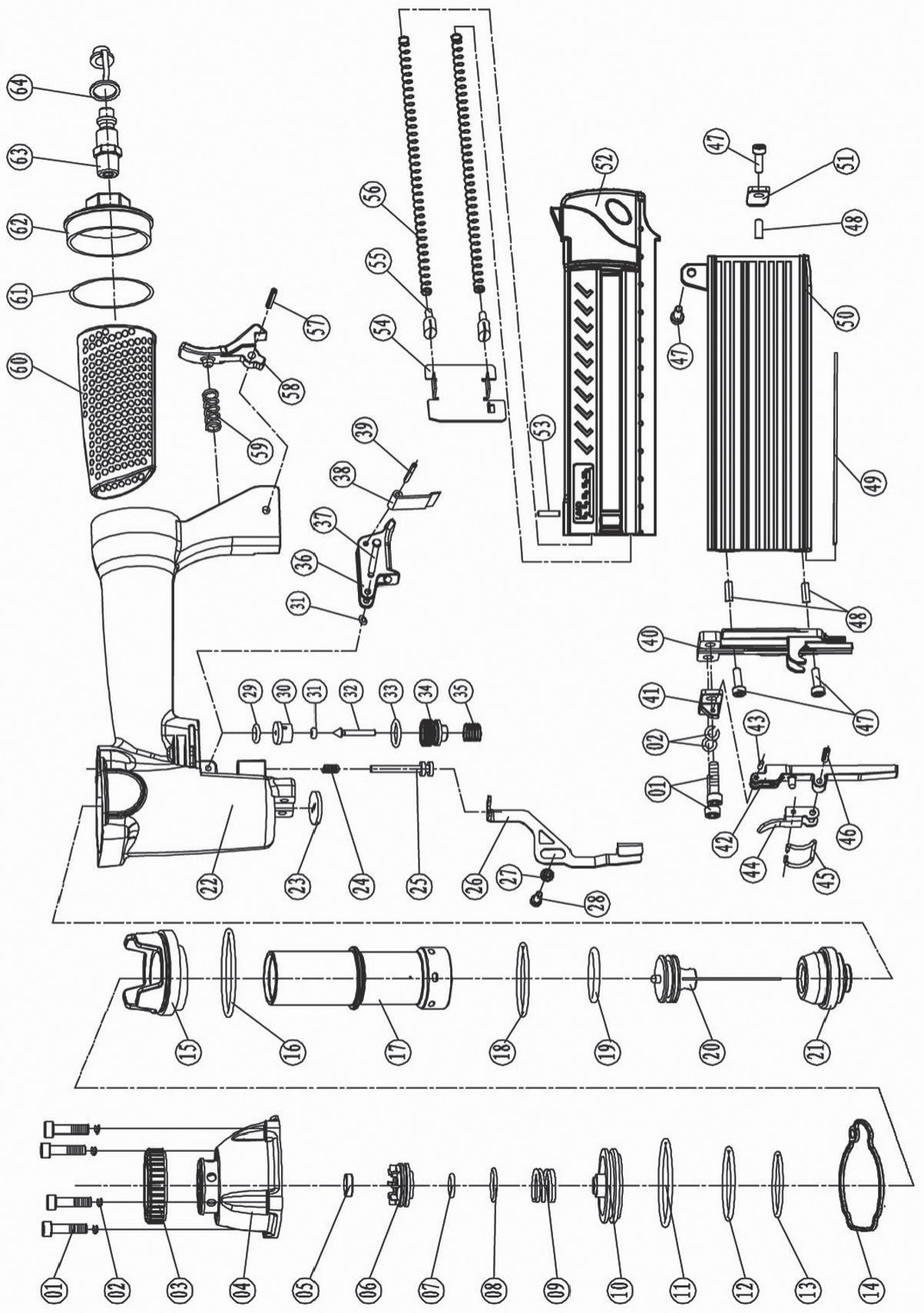
PARTS LIST

Please refer to the assembly diagram on page 8.

Part	Description	Qty
1	Cap Screw (M5x.80x20mm)	6
2	Spring Gasket	6
3	Air Deflector	1
4	Cylinder Cap	1
5	Sealing Gasket	1
6	Air Deflector Plate	1
7	O-Ring	1
8	O-Ring	1
9	Head Valve Spring	1
10	Head Valve	1
11	O-Ring	1
12	O-Ring	1
13	O-Ring	1
14	Cylinder Cap Sealing Ring	1
15	Collar	1
16	O-Ring	1
17	Cylinder	1
18	O-Ring	1
19	O-Ring	1
20	Piston Assembly	1
21	Bumper	1
22	Housing	1
23	Sealing Washer	1
24	Safety Spring	1
25	Push Stem	1
26	Safety	1
27	Guide Sleeve	1
28	Cap Screw (M4x.70x8mm)	1
29	Rectangle Sealing Ring	1
30	Valve Seat	1
31	O-Ring	2
32	Valve Stem	1

Part	Description	Qty
33	O-Ring	1
34	Valve Sleeve	1
35	Trigger Spring	1
36	Trigger	1
37	Position Pin	1
38	Safety Plate	1
39	Pin	1
40	Drive Guide	1
41	Fixed Cover	1
42	Movable Plate	1
43	Pin	1
44	Quick Release Lever	1
45	Quick Release Spring	1
46	Pin	1
47	Cap Screw (M4x.70x8mm)	4
48	Locking Sleeve	3
49	Insert Bar	1
50	Fixed Magazine	1
51	Position Plate	1
52	Sliding Magazine	1
53	Pin	1
54	Pusher	1
55	Pusher Stem	2
56	Pusher Spring	2
57	Pin	1
58	Latch	1
59	Latch Spring	1
60	Rubber	1
61	O-Ring	1
62	End Cap	1
63	Air Inlet Plug	1
64	Air Inlet Plug Cover	1

ASSEMBLY DIAGRAM



ALTOCRAFT®18 GA.BRAD NAILER With 12-PIECE STARTER KIT WARRANTY

1-YEAR LIMITED WARRANTY:

This ALTOCRAFT® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, ALTOCRAFT® agrees to have the tool replaced with the same or similar ALTOCRAFT® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to connectors, o-rings, air hoses, gaskets, etc. (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-866-915-8626 (M-F 8am – 5pm EST)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.